



VDS 1022I PC Oscilloscope

- + 25MHz bandwidth, and 100MSa/s sample rate
- + 2/ 4 channels
- + 5K record length
- + Friendly UI : FFT, or X-Y, and waveform 2 views displayed on the same screen
- + Multi-trigger option : edge, video, slope, pulse, and alternate
- + USB isolation - less signal inference, more PC protection
- + USB bus powering
- + Ultra-thin body design, easy portability

+ Performance Specifications

Model	VDS1022I
Bandwidth	25MHZ
Channel	2+1 (multi)
Sample Rate	100MSa/s
Horizontal Scale (s/div)	5ns/div ~ 100s/div, step by 1 ~ 2 ~ 5
Rise Time	≤14 ns
Record Length	5K
Input Coupling	DC, AC, GND
Input Impedance	1MΩ±2% , in parallel with10pF±5pF
Channels Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)
DC Gain Accuracy	±3%
DC Accuracy	Average≥16: ±(3% reading + 0.05div) for ΔT
Probe Attenuation Factor	1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)
Sampling Rate / Relay Time Accuracy	150ps
Interpolation	sin(x) / x
Interval (ΔT) Accuracy (full bandwidth)	Single: ± (1 interval time + 100ppm × reading + 0.6ns), Average >16: ±(1 interval time + 100ppm × reading + 0.4ns)
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)

Model	VDS1022I	
Vertical Sensitivity	5mV/div ~ 5V/div	
Trigger Type	Edge, Pulse, Video, Slope, Alternate	
Trigger Mode	Auto, Normal, Single	
Trigger Level	±5 divisions from screen center	
Acquisition Mode	Sample, Peak Detect, and Average	
Line / Field Frequency (video)	NTSC, PAL, and SECAM standard	
Cursor Measurement	ΔV, and ΔT between cursors	
Automatic Measurement	Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B, Delay A→B, +Width, -Width, +Duty, -Duty	
Waveform Math	+, -, ×, ÷, invert, FFT	
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface	USB 2.0 (isolation)	
Multi-function Interface	Signal Type	synchronized input / output, Pass / Fail , external trigger input
	Level Standard	TTL
Power Supply	5.0V/1A	
Power Consumption	≤1.5W	
Dimensions (W × H × D)	170 × 120 × 18 (mm)	
Weight (without package)	About 0.26 kg	

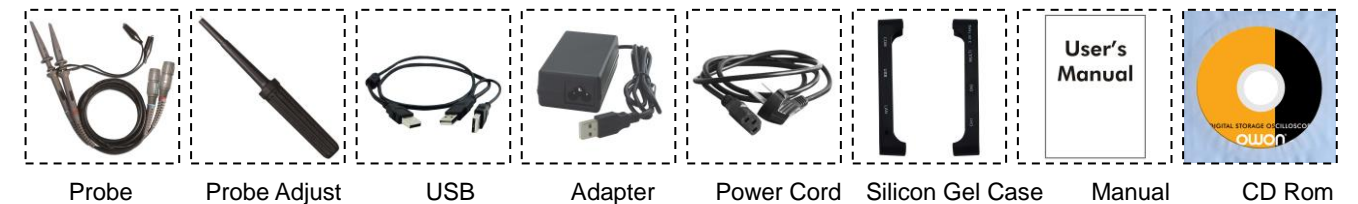
Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education and training

+ Accessories

The accessories subject to final delivery.



PS : Adapter and power cord only available for models with LAN port.

